

Notice of Allowability

Application No.

10/624,801

Examiner

Hai L. Nguyen

Applicant(s)

IDEI, YOJI

Art Unit

2816

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed on 9/22/2004.
2. ☒ The allowed claim(s) is/are 1-20.
3. ☒ The drawings filed on 19 April 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

TIMOTHY P. CALLAHAN

SUPERVISORY PATENT EXAMINER

Patent Paper No. Mail Date 20041017

DETAILED ACTION

Response to Amendment

1. The amendment received on 09/22/04 has been reviewed and considered with the following results:

As to the objections to the drawings, Applicant's clarifications have overcome the objections, as such; the objections to the drawings have been withdrawn.

As to the objections to the specification, Applicant's amendments of the title have been accepted, as such; the objections to the specification have been withdrawn.

As to the objections to claims 6 and 16, Applicant's amendments have overcome the objections, as such; the objections have been withdrawn.

As to the rejections to the claims, under 35 U.S.C. 112, 1st and 2nd paragraphs, Applicant's amendments and clarifications have overcome the rejections, as such; the rejections have been withdrawn.

As to the prior art rejections to the claims, Applicant's amendments have overcome the prior art rejections of the claims made in the previous Office Action mailed on 6/29/2004 as such; the prior art rejections have been withdrawn. Therefore the case is found to be in allowance condition for the reasons as set for below.

REASON FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance:

The prior art of record fails to disclose or fairly suggest specific structural limitations, as recited in claims 1 and 16, such as a delay time setting circuit (114 in instant Fig. 1) for

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performing control for variably setting the delay time of the first and second pre-stage delay circuits (110, 111) and the delay time of the first and second post-stage delay circuits (112, 113), wherein the delay time setting circuit variably controls the delay times of the pre-stage and post-stage delay circuits according to a relationship between a minimum delay time for circuit operation and a period of the clock signal (CLK, /CLK) received by the clock synchronization circuit; and being configured in a clock synchronization circuit (as shown in Fig. 1).

The prior art of record fails to disclose or fairly suggest specific structural limitations, as recited in claim 17, such as a delay time setting circuit (114 in instant Fig. 1) for variably setting the delay time of the first and second pre-stage delay circuits (110, 111) and the delay time of the first and second post-stage delay circuits (112, 113), depending on the period of the clock signals (CLK, /CLK) and the delay time of the first delay circuit (102); wherein the delay time of the first delay circuit is equal to the sum of the delay time of the first buffer circuit (101), the delay time of the multiplexing circuit (108) and the delay time of the output circuit (109); and being configured in a clock synchronization circuit (as shown in Fig. 1).

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hai L. Nguyen whose telephone number is 571-272-1747 and Right Fax number is 571-273-1747. The examiner can normally be reached on Monday-Thursdays.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Timothy Callahan can be reached on 571-272-1740. The official fax phone number for the organization where this application or proceeding is 703-872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-1562.

HLN *HLN*

October 17, 2004
